

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,182,525 B2
APPLICATION NO. : 10/676589
DATED : February 27, 2007
INVENTOR(S) : Bergmann et al.

Page 1 of 3

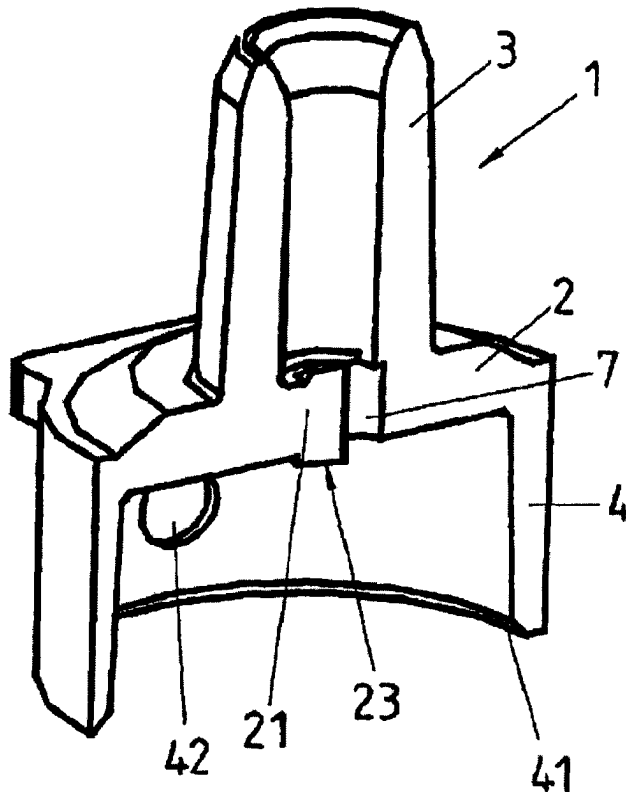
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing the illustrative figure should be deleted to be replaced with the attached title page.

The drawing sheet, consisting of Fig. 1, should be deleted to be replaced with the drawing sheet, consisting of Fig. 1, as shown on the attached page.

Drawings

Sheet 1, FIG 1, change the reference to the opening of the coupling unit from "41" to --42--



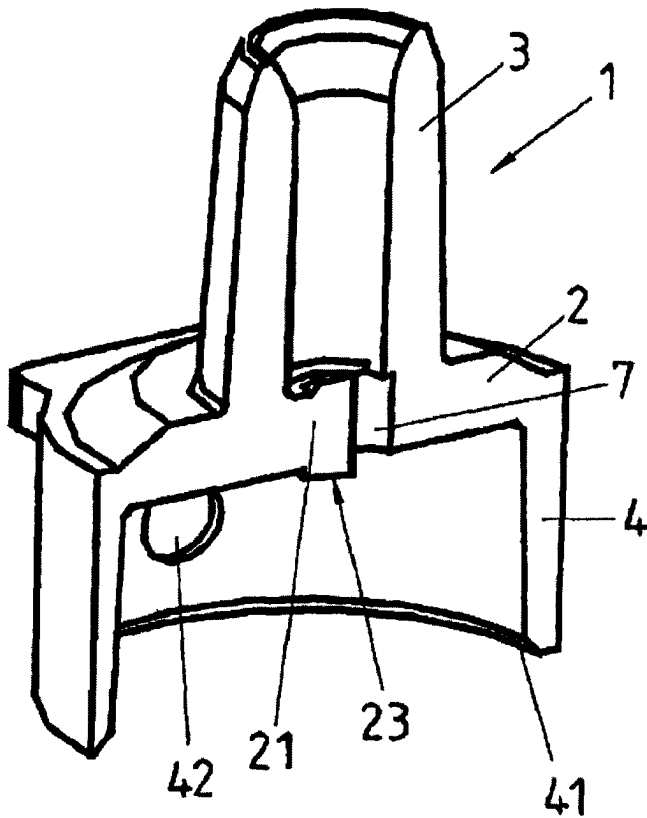
Signed and Sealed this

Eighth Day of June, 2010

David J. Kappos

David J. Kappos
Director of the United States Patent and Trademark Office

Sheet 3, FIG 4, change the reference “41” to --42--



Column 4

Line 6, change “141” to --42--

(12) **United States Patent**
Bergmann et al.

(10) **Patent No.:** **US 7,182,525 B2**
(45) Date of Patent: **Feb. 27, 2007**

(54) **COUPLING UNIT FOR COUPLING AN OPTICAL TRANSMITTING AND/OR RECEIVING MODULE TO AN OPTICAL FIBER**

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(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 69 days.

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(30) **Foreign Application Priority Data**

Oct. 1, 2002 (DE) 102 46 532

(51) **Int. Cl.**
G02B 6/36 (2006.01)

(52) **U.S. Cl.** 385/88

(58) **Field of Classification Search** 385/53-94
 See application file for complete search history.

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(57) **ABSTRACT**

The invention relates to a coupling unit for coupling an optical transmitting and/or receiving module to an optical fiber. The coupling unit has a connecting area that can be connected to a transmitting and/or receiving module, and a holding area that holds an optical fiber. A transparent coupling area is provided, which is formed as an integral component of the coupling unit, and via which light can be coupled directly between an optical fiber that is inserted into the holding area and a transmitting and/or receiving module that is coupled directly to it. The coupling area preferably has a matched refractive index. The coupling unit is preferably in the form of an injection-molded part.

18 Claims, 3 Drawing Sheets

